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# Back Pressure Regulator

Provides regulated flow on priority to on-line analyzers

Energy Conservation | Environment | Process Efficiency

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## Features

- A precision engineered product
- Works in opposite manner as that of a Pressure Regulator
- Maintains constant flow & pressure conditions for analyzer
- Proprietary Forbes Marshall design



## Back Pressure Regulator:

The Forbes Marshall back pressure regulator (BPR) ensures priority sample flow to analyzers. It works in a reverse manner to that of a pressure regulator. That means, it provides constant upstream pressure conditions irrespective of fluctuations. Constant, regulated pressure as well as flow conditions are always required to be maintained for the analyzers. The BPR ensures extremely stable conditions for the analyzers resulting in accurate, reliable and stable performance of these analyzers. The output of a pressure regulator is usually maintained at a higher level, while that of the back pressure regulator is kept at a lower condition (usually 90 to 95% of the pressure regulator output). The difference between the two is bled through a needle valve and is available for the lab person for collecting the lab sample.

## Specifications:

- St. Steel (SS-316) housing
- Set pressure : adjustable between 0 to 6 Kg/Cm<sup>2</sup>
- Inlet pressure : 3 Kg/Cm<sup>2</sup>
- Set pressure : 2.5 Kg/Cm<sup>2</sup>
- Flow : 100 LPH (max.)
- Inlet / Outlet connection : ¼" OD  
(Double ferrule compression type)



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